Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1549	baker-kevin-p.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/29 11:45
L3	13	baron-will-f.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/29 11:46
L4	2	"6825324"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/29 11:46
L5	2	"6001621".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/29 11:50
L6	1073	protein same tyrosine same kinase same nucleic same acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/29 11:50
L7	821	protein same tyrosine same kinase same vector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/29 11:50
L9	42643	protein same tyrosine same kinase host same cell same nucleic same acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/29 11:51

10646760 Results

SEQ ID NO: 3

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	3637	100.0	3637	6	AR094160	AR094160 Sequence
2	3637	100.0	3637	6	AR103004	AR103004 Sequence
3	3637	100.0	3637	6	AR105288	AR105288 Sequence
4	3637	100.0	3637	6	I80845	I80845 Sequence 3
5	3453.2	94.9	3751	6	AR404117	AR404117 Sequence
6	3451	94.9	3962	6	I68738	I68738 Sequence 1
7	3441.8	94.6	3754	6	A42378	A42378 Sequence 1
8	3438.6	94.5	3738	9	HUMRTK	L11315 Homo sapien
c 9	3407	93.7	3736	11	BV177346	BV177346 sqnm94146
10	3399.6	93.5	3803	6	AR380727	AR380727 Sequence
11	3399.6	93.5	3803	9	HUMCAK	L20817 Homo sapien
12	3243.6	89.2	3554	6	AX268594	AX268594 Sequence
13	3243.6	89.2	3554	9	HSTRKE	X74979 H.sapiens T
14	3236.4	89.0	3609	9	BC070070	BC070070 Homo sapi
15	3232.4	88.9	3841	9	HSRETYK1	Z29093 H.sapiens E
16	3209.6	88.2	3829	6	CQ722450	CQ722450 Sequence
17	3167.6	87.1	3692	9	HUMCAKA	L57508 Homo sapien
18	2503.2	68.8	2631	12	AY335786	AY335786 Synthetic
19	2503.2	68.8	2631	12	BT008202	BT008202 Synthetic
20	2375.8	65.3	3659	10	AF026259	AF026259 Mus muscu
21	2354.8	64.7	3674	10	MUSCAK	L57509 Mus musculu
22	2314	63.6	3743	10	RATPTK3D	L26525 Rattus norv
23	1283.8	35.3	2582	10	BC065998	BC065998 Mus muscu
24	1272.8	35.0	1593	9	AK130776	AK130776 Homo sapi
25	1197	32.9	1197	6	AR094162	AR094162 Sequence
26	1197	32.9	1197	6	AR103006	AR103006 Sequence
27	1197	32.9	1197	6	AR105290	AR105290 Sequence

RESULT 1
AR094160
LOCUS AR094160 3637 bp DNA linear PAT 08-SEP-2000
DEFINITION Sequence 3 from patent US 6001621.
ACCESSION AR094160
VERSION AR094160.1 GI:10020905
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 3637)
AUTHORS Godowski,P.J., Mark,M.R. and Scadden,D.T.
TITLE Protein tyrosine kinases
JOURNAL Patent: US 6001621-A 3 14-DEC-1999;
FEATURES Location/Qualifiers
source 1. .3637
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/mol_type="unassigned DNA"
ORIGIN

Query Match 100.0%; Score 3637; DB 6; Length 3637;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3637; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 2
AR103004
LOCUS AR103004 3637 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 3 from patent US 6087144.
ACCESSION AR103004
VERSION AR103004.1 GI:12814592
KEYWORDS .
SOURCE Unknown.

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  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 3637)
  AUTHORS   Scadden,D.T., Baker,K.P. and Baron,W.F.
  TITLE     Protein tyrosine kinases
  JOURNAL   Patent: US 6087144-A 3 11-JUL-2000;
FEATURES             Location/Qualifiers
     source          1. .3637
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             100.0%;  Score 3637;  DB 6;  Length 3637;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches 3637;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;


RESULT 3
AR105288
LOCUS       AR105288               3637 bp    DNA     linear   PAT 14-FEB-2001
DEFINITION  Sequence 3 from patent US 6096527.
ACCESSION   AR105288
VERSION     AR105288.1  GI:12818885
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 3637)
  AUTHORS   Godowski,P.J., Mark,M.R. and Scadden,D.T.
  TITLE     Nucleic acids encoding protein tryosine kinases
  JOURNAL   Patent: US 6096527-A 3 01-AUG-2000;
FEATURES             Location/Qualifiers
     source          1. .3637
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             100.0%;  Score 3637;  DB 6;  Length 3637;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches 3637;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	3451	94.9	3962	2	AAT93785	Aat93785 Human mam
2	3449.4	94.8	3962	2	AAQ92522	Aaq92522 Human mam
3	3449.4	94.8	3962	2	AAQ92520	Aaq92520 Human mam
4	3441.4	94.6	3952	10	ADE24732	Ade24732 Human DDR
5	3438.6	94.5	3754	12	ADE79939	Ade79939 Human dis
6	3433.8	94.4	3754	2	AAQ84782	Aaq84782 Protein-t
7	3413.4	93.9	3970	10	ADE24734	Ade24734 Human DDR
8	3413.4	93.9	3970	12	ADL26773	Adl26773 Human DDR
9	3399.6	93.5	3803	11	ADI31946	Adi31946 Human cDN
10	3261	89.7	3849	6	ABV99141	Abv99141 Human pan
11	3243.6	89.2	3554	6	AAS16842	Aas16842 Human epi

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RESULT 1
AAT93785
ID   AAT93785 standard; cDNA; 3962 BP.
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AC   AAT93785;
XX
DT   16-FEB-1998  (first entry)
XX
DE   Human mammary carcinoma kinase 10 (MCK-10) cDNA sequence.
XX
KW   Mammary carcinoma kinase; MCK-10; receptor tyrosine kinase;
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KW proliferative disease; cancer; insulin receptor family;
KW tyrosine kinase neurotropin receptor; MCK-10 activity;
KW neurological disorder; aberrant expression; ds.
XX
OS Homo sapiens.
XX
FH Key   Location/Qualifiers
FT CDS   321. .3077
FT   /*tag= a
XX
PN US5677144-A.
XX
PD 14-OCT-1997.
XX
PF 08-NOV-1994; 94US-00336343.
XX
PR 16-NOV-1993; 93US-00153397.
XX
PA (ULLR/) ULLRICH A.
PA (ALVE/) ALVES F H E.
XX
PI Ullrich A, Alves FHE;
XX
DR WPI; 1997-511869/47.
DR P-PSDB; AAW34672.
XX
PT Truncated receptor tyrosine kinase CCK-2 - and nucleic acid coding for
PT it, useful for cancer diagnosis.
XX
PS Disclosure; Fig 1; 70pp; English.
XX
CC The present sequence represents the cDNA of a mammary carcinoma kinase,
CC called MCK-10. This kinase belongs to a novel family of receptor tyrosine
CC kinases, and expression is associated with proliferative diseases such as
CC cancer. The MCK-10 receptor tyrosine kinase has extensive sequence
CC similarity to the insulin receptor family. The MCK-10 gene was isolated
CC by PCR using 2 degenerate oligonucleotide primer pools, using a template
CC cDNA synthesised by reverse transcription of poly-A RNA from the human
CC mammary carcinoma cell line MCF7. MCK-10 is expressed in brain tissue,
CC and the protein shares homology with the tyrosine kinase neurotropin
CC receptor. Modulation of MCK-10 activity therefore may be used for
CC treatment of neurological disorders. MCK-10 is also expressed in a
CC variety of cancer cell lines and tumour tissue. The present sequence, or
CC parts of it, can be used for diagnostic purposes to detect aberrant
CC expression of MCK-10 genes. Inhibitors of MCK-10 receptor activity may
CC have therapeutic value in the treatment of diseases such as cancer
XX
SQ Sequence 3962 BP; 735 A; 1234 C; 1182 G; 811 T; 0 U; 0 Other;

  Query Match   94.9%; Score 3451; DB 2; Length 3962;
  Best Local Similarity   97.0%; Pred. No. 0;
  Matches 3589; Conservative   0; Mismatches   5; Indels 105; Gaps   3;

RESULT 2
AAQ92522
ID AAQ92522 standard; cDNA to mRNA; 3962 BP.
XX
AC AAQ92522;
XX
DT 26-NOV-1995 (first entry)
XX
DE Human mammmary carcinoma kinase 10 (MCK-10) cDNA.
XX
KW Mammary carcinoma kinase 10; MCK-10; transmembrane receptor;
KW receptor tyrosine kinase; cancer; ss.
XX
OS Homo sapiens.
XX
FH Key   Location/Qualifiers

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FT   CDS             321. .3080
FT                   /*tag=  a
FT   misc_difference 2315
FT                   /*tag=  b
FT                   /note= "some clones have AA deletion here"
XX
PN   WO9514089-A2.
XX
PD   26-MAY-1995.
XX
PF   16-NOV-1994;   94WO-EP003799.
XX
PR   16-NOV-1993;   93US-00153397.
XX
PA   (PLAC ) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN.
XX
PI   Ullrich A,  Alves FHE;
XX
DR   WPI; 1995-224055/29.
DR   P-PSDB; AAR75504.
XX
PT   New nucleic acid encoding CCK-2 receptor tyrosine kinase - and derived
PT   vectors, transformed cells, proteins and antibodies, useful for diagnosis
PT   and treatment of proliferative and nervous system diseases and for
PT   screening modulators.
XX
PS   Disclosure; Page 67-69; 115pp; English.
XX
CC   cDNA prepd. from human breast cancer cell line MCF7 (ATCC HTB22) was used
CC   in a PCR with two degenerate oligo primer pools based on conserved
CC   sequences of the kinase domain of receptor tyrosine kinases. One clone,
CC   designated MCK-10, was identified as novle RTK. The PCR fragment was used
CC   to screen a lambda gt11 library of human fetal brain cDNA. Several
CC   overlapping clones were identified. The composite of these cDNA clones is
CC   given in AAQ92522 and the deduced AA sequence in AAR75504. Some of the
CC   clones had a deletion of 6AA at posn. 2315 in the MCK-10 sequence. MCK-10
CC   has all the characteristics of a receptor PTK (see AAR75504 FT).
CC   Screening of human placental library yielded two cDNA clones. One of the
CC   clones isolated from the human fetal brain library contained an
CC   additional 18 nts in the TK domain. The MCK-10 splice isoforms have been
CC   designated MCK-10-1 (with an additional 111 bp between nts 1832 and 1943)
CC   ; MCK-10-2 (without any insertions); MCK-10-3 (with the additional 111
CC   bps and 18 bp in the TK domain); and MCK-10-4 (with the additional 18
CC   bp). The predicted mol. wts. of MCK-10-1 and MCK-10-2 proreceptors are
CC   101.13 and 97.17 kD respectively, and can thus be subdivided into a 34.31
CC   kD alpha subunit and a 66.84 or 62.88 kD beta subunits that contain the
CC   TK homology and alternative splice sites
XX
SQ   Sequence 3962 BP; 735 A; 1235 C; 1181 G; 811 T; 0 U; 0 Other;

  Query Match             94.8%;  Score 3449.4;  DB 2;  Length 3962;
  Best Local Similarity   97.0%;  Pred. No. 0;
  Matches 3588;  Conservative    0;  Mismatches    6;  Indels  105;  Gaps    3;
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Issued:

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	3637	100.0	3637	1	US-08-445-640-3	Sequence 3, Appli
2	3637	100.0	3637	3	US-08-170-558-3	Sequence 3, Appli
3	3637	100.0	3637	3	US-08-447-314-3	Sequence 3, Appli
4	3637	100.0	3637	3	US-08-445-461-3	Sequence 3, Appli
5	3453.2	94.9	3751	4	US-09-140-378A-1	Sequence 1, Appli
6	3451	94.9	3962	1	US-08-336-343A-1	Sequence 1, Appli
7	3399.6	93.5	3803	4	US-09-023-655-1272	Sequence 1272, Ap
8	1197	32.9	1197	1	US-08-445-640-7	Sequence 7, Appli
9	1197	32.9	1197	3	US-08-170-558-7	Sequence 7, Appli

10	1197	32.9	1197	3	US-08-447-314-7	Sequence 7, Appli
11	1197	32.9	1197	3	US-08-445-461-7	Sequence 7, Appli
12	669.4	18.4	3120	1	US-08-456-647B-19	Sequence 19, Appl
13	669.4	18.4	3120	2	US-08-237-401A-19	Sequence 19, Appl

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RESULT 1
US-08-445-640-3
; Sequence 3, Application US/08445640
; Patent No. 5709858
;  GENERAL INFORMATION:
;    APPLICANT:  Godowski, Paul J.
;    APPLICANT:  Mark, Melanie R.
;    APPLICANT:  Scadden, David T.
;    APPLICANT:  Baker, Kevin P.
;    APPLICANT:  Baron, Will F.
;    TITLE OF INVENTION:  Protein Tyrosine Kinases
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/445,640
;      FILING DATE:  22-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/170558
;      FILING DATE:  20-DEC-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/157563
;      FILING DATE:  23-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  854C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1896
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3637 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-445-640-3

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  Best Local Similarity   100.0%;  Pred. No. 0;
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RESULT 2
US-08-170-558-3
; Sequence 3, Application US/08170558
; Patent No. 6001621
;  GENERAL INFORMATION:
;    APPLICANT:  Godowski, Paul J.
;    APPLICANT:  Mark, Melanie R.
;    APPLICANT:  Scadden, David T.
;    APPLICANT:  Baker, Kevin P.
```

```
;    APPLICANT:  Baron, Will F.
;    TITLE OF INVENTION:  Protein Tyrosine Kinases
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/170,558
;      FILING DATE:  20-DEC-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/157563
;      FILING DATE:  23-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  854C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1896
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3637 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-170-558-3

  Query Match             100.0%;  Score 3637;  DB 3;  Length 3637;
  Best Local Similarity   100.0%;  Pred. No. 0;
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RESULT 3
US-08-447-314-3
; Sequence 3, Application US/08447314
; Patent No. 6087144
;  GENERAL INFORMATION:
;    APPLICANT:  Scadden, David T.
;    APPLICANT:  Baker, Kevin P.
;    APPLICANT:  Baron, Will F.
;    TITLE OF INVENTION:  Protein Tyrosine Kinases
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/447,314
;      FILING DATE:  22-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/170558
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;       FILING DATE:  20-DEC-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/157563
;       FILING DATE:  23-NOV-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hasak, Janet E.
;       REGISTRATION NUMBER:  28,616
;       REFERENCE/DOCKET NUMBER:  854C1D2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415/225-1896
;       TELEFAX:  415/952-9881
;       TELEX:  910/371-7168
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  3637 bases
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-447-314-3

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RESULT 4
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; Sequence 3, Application US/08445461
; Patent No. 6096527
;  GENERAL INFORMATION:
;     APPLICANT:  Godowski, Paul J.
;     APPLICANT:  Mark, Melanie R.
;     APPLICANT:  Scadden, David T.
;     APPLICANT:  Baker, Kevin P.
;     APPLICANT:  Baron, Will F.
;     TITLE OF INVENTION:  Protein Tyrosine Kinases
;     NUMBER OF SEQUENCES:  35
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Genentech, Inc.
;       STREET:  460 Point San Bruno Blvd
;       CITY:  South San Francisco
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94080
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  patin (Genentech)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/445,461
;       FILING DATE:  22-MAY-1995
;       CLASSIFICATION:  530
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/170558
;       FILING DATE:  20-DEC-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/157563
;       FILING DATE:  23-NOV-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hasak, Janet E.
;       REGISTRATION NUMBER:  28,616
;       REFERENCE/DOCKET NUMBER:  854C3
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415/225-1896
;       TELEFAX:  415/952-9881
;       TELEX:  910/371-7168
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  3637 bases
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
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; TOPOLOGY: linear
US-08-445-461-3

Query Match 100.0%; Score 3637; DB 3; Length 3637;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3637; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	3261	89.7	3840	3	BC008716	BC008716 Homo sapi
2	3261	89.7	3840	3	BC013400	BC013400 Homo sapi
3	2407.8	66.2	2742	9	AY412941	AY412941 Homo sapi
4	2230.2	61.3	2742	9	AY412942	AY412942 Pan trogl
5	2146	59.0	3594	3	AK031442	AK031442 Mus muscu
6	2141.8	58.9	3012	3	BC037108	BC037108 Mus muscu
7	1904	52.4	2721	9	AY412943	AY412943 Mus muscu
8	1746.4	48.0	2633	3	BC006836	BC006836 Mus muscu
9	912.6	25.1	997	5	BX456402	BX456402 BX456402
10	880.2	24.2	969	5	BX436719	BX436719 BX436719
11	852.2	23.4	904	5	BU543800	BU543800 AGENCOURT

SEQ ID NO: 7

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1197	100.0	1197	6	AR094162	AR094162 Sequence
2	1197	100.0	1197	6	AR103006	AR103006 Sequence
3	1197	100.0	1197	6	AR105290	AR105290 Sequence
4	1197	100.0	1197	6	I80847	I80847 Sequence 7
5	1197	100.0	3637	6	AR094160	AR094160 Sequence
6	1197	100.0	3637	6	AR103004	AR103004 Sequence
7	1197	100.0	3637	6	AR105288	AR105288 Sequence
8	1197	100.0	3637	6	I80845	I80845 Sequence 3
9	1195.4	99.9	3692	9	HUMCAKA	L57508 Homo sapien
10	1195.4	99.9	3803	6	AR380727	AR380727 Sequence
11	1195.4	99.9	3803	9	HUMCAK	L20817 Homo sapien
12	1195.4	99.9	3841	9	HSRETYK1	Z29093 H.sapiens E
13	1193.8	99.7	2631	12	AY335786	AY335786 Synthetic
14	1193.8	99.7	2631	12	BT008202	BT008202 Synthetic
15	1193.8	99.7	3609	9	BC070070	BC070070 Homo sapi
16	1193.8	99.7	3751	6	AR404117	AR404117 Sequence
17	1192.2	99.6	3554	6	AX268594	AX268594 Sequence
18	1192.2	99.6	3554	9	HSTRKE	X74979 H.sapiens T
19	1192.2	99.6	3829	6	CQ722450	CQ722450 Sequence

RESULT 1
AR094162
LOCUS AR094162 1197 bp DNA linear PAT 08-SEP-2000
DEFINITION Sequence 7 from patent US 6001621.
ACCESSION AR094162
VERSION AR094162.1 GI:10020907
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 1197)
AUTHORS Godowski,P.J., Mark,M.R. and Scadden,D.T.
TITLE Protein tyrosine kinases
JOURNAL Patent: US 6001621-A 7 14-DEC-1999;
FEATURES Location/Qualifiers
source 1. .1197
/organism="unknown"

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                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             100.0%;  Score 1197;  DB 6;  Length 1197;
  Best Local Similarity   100.0%;  Pred. No. 8.8e-253;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;


RESULT 2
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LOCUS       AR103006                1197 bp    DNA     linear   PAT 14-FEB-2001
DEFINITION  Sequence 7 from patent US 6087144.
ACCESSION   AR103006
VERSION     AR103006.1  GI:12814594
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 1197)
  AUTHORS   Scadden,D.T., Baker,K.P. and Baron,W.F.
  TITLE     Protein tyrosine kinases
  JOURNAL   Patent: US 6087144-A 7 11-JUL-2000;
FEATURES             Location/Qualifiers
     source          1. .1197
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ORIGIN

  Query Match             100.0%;  Score 1197;  DB 6;  Length 1197;
  Best Local Similarity   100.0%;  Pred. No. 8.8e-253;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;


RESULT 3
AR105290
LOCUS       AR105290                1197 bp    DNA     linear   PAT 14-FEB-2001
DEFINITION  Sequence 7 from patent US 6096527.
ACCESSION   AR105290
VERSION     AR105290.1  GI:12818887
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 1197)
  AUTHORS   Godowski,P.J., Mark,M.R. and Scadden,D.T.
  TITLE     Nucleic acids encoding protein tryosine kinases
  JOURNAL   Patent: US 6096527-A 7 01-AUG-2000;
FEATURES             Location/Qualifiers
     source          1. .1197
                     /organism="unknown"
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ORIGIN

  Query Match             100.0%;  Score 1197;  DB 6;  Length 1197;
  Best Local Similarity   100.0%;  Pred. No. 8.8e-253;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0

RESULT 4
I80847
LOCUS       I80847                  1197 bp    DNA     linear   PAT 10-JUN-1998
DEFINITION  Sequence 7 from patent US 5709858.
ACCESSION   I80847
VERSION     I80847.1  GI:3209137
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 1197)
  AUTHORS   Godowski,P.J., Mark,M.R. and Scadden,D.T.
  TITLE     Antibodies specific for Rse receptor protein tyrosine kinase
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  JOURNAL   Patent: US)5709858-A 7 20-JAN-1998;
FEATURES             Location/Qualifiers
     source          1. .1197
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             100.0%;  Score 1197;  DB 6;  Length 1197;
  Best Local Similarity   100.0%;  Pred. No. 8.8e-253;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

RESULT 5
AR094160
LOCUS       AR094160               3637 bp    DNA     linear   PAT 08-SEP-2000
DEFINITION  Sequence 3 from patent US 6001621.
ACCESSION   AR094160
VERSION     AR094160.1  GI:10020905
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 3637)
  AUTHORS   Godowski,P.J., Mark,M.R. and Scadden,D.T.
  TITLE     Protein tyrosine kinases
  JOURNAL   Patent: US 6001621-A 3 14-DEC-1999;
FEATURES             Location/Qualifiers
     source          1. .3637
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             100.0%;  Score 1197;  DB 6;  Length 3637;
  Best Local Similarity   100.0%;  Pred. No. 8e-253;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;


RESULT 6
AR103004
LOCUS       AR103004               3637 bp    DNA     linear   PAT 14-FEB-2001
DEFINITION  Sequence 3 from patent US 6087144.
ACCESSION   AR103004
VERSION     AR103004.1  GI:12814592
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 3637)
  AUTHORS   Scadden,D.T., Baker,K.P. and Baron,W.F.
  TITLE     Protein tyrosine kinases
  JOURNAL   Patent: US 6087144-A 3 11-JUL-2000;
FEATURES             Location/Qualifiers
     source          1. .3637
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             100.0%;  Score 1197;  DB 6;  Length 3637;
  Best Local Similarity   100.0%;  Pred. No. 8e-253;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;


RESULT 7
AR105288
LOCUS       AR105288               3637 bp    DNA     linear   PAT 14-FEB-2001
DEFINITION  Sequence 3 from patent US 6096527.
ACCESSION   AR105288
VERSION     AR105288.1  GI:12818885
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
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REFERENCE   1  (bases 1 to 3637)
  AUTHORS   Godowski,P.J., Mark,M.R. and Scadden,D.T.
  TITLE     Nucleic acids encoding protein tryosine kinases
  JOURNAL   Patent: US 6096527-A 3 01-AUG-2000;
FEATURES             Location/Qualifiers
     source          1. .3637
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             100.0%;  Score 1197;  DB 6;  Length 3637;
  Best Local Similarity   100.0%;  Pred. No. 8e-253;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;



RESULT 8
I80845
LOCUS       I80845                  3637 bp    DNA     linear   PAT 10-JUN-1998
DEFINITION  Sequence 3 from patent US 5709858.
ACCESSION   I80845
VERSION     I80845.1  GI:3209135
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 3637)
  AUTHORS   Godowski,P.J., Mark,M.R. and Scadden,D.T.
  TITLE     Antibodies specific for Rse receptor protein tyrosine kinase
  JOURNAL   Patent: US 5709858-A 3 20-JAN-1998;
FEATURES             Location/Qualifiers
     source          1. .3637
                     /organism="unknown"
                     /mol_type="unassigned DNA"
ORIGIN

  Query Match             100.0%;  Score 1197;  DB 6;  Length 3637;
  Best Local Similarity   100.0%;  Pred. No. 8e-253;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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SUMMARIES

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1	1195.4	99.9	3803	11	ADI31946	Adi31946 Human cDN
2	1195.4	99.9	3838	10	ADE24730	Ade24730 Human DDR
3	1195.4	99.9	3952	10	ADE24732	Ade24732 Human DDR
4	1195.4	99.9	3970	10	ADE24734	Ade24734 Human DDR
5	1195.4	99.9	3970	12	ADL26773	Adl26773 Human DDR
6	1193.8	99.7	3849	6	ABV99141	Abv99141 Human pan
7	1192.2	99.6	3554	6	AAS16842	Aas16842 Human epi
8	1192.2	99.6	3962	2	AAQ92522	Aaq92522 Human mam
9	1192.2	99.6	3962	2	AAQ92520	Aaq92520 Human mam
10	1192.2	99.6	3962	2	AAT93785	Aat93785 Human mam
11	1179.2	98.5	3754	12	ADE79939	Ade79939 Human dis
12	1171.2	97.8	3754	2	AAQ84782	Aaq84782 Protein-t
13	1170.4	97.8	4184	12	ADQ22540	Adq22540 Human sof
c 14	526	43.9	563	4	AAS57829	Aas57829 cDNA #505
15	473.8	39.6	2861	3	AAC99051	Aac99051 Human pan
16	473.8	39.6	2861	4	AAH33198	Aah33198 Human col
17	378.4	31.6	12010	6	ABN96872	Abn96872 Gene #337
18	378.4	31.6	12010	10	ADK60904	Adk60904 Ovarian c
19	378.4	31.6	12010	11	ADO18789	Ado18789 Human tyr
20	327.4	27.4	2648	11	ADM29347	Adm29347 Human nov
21	327.4	27.4	3096	2	AAV48292	Aav48292 Discoidin
22	327.4	27.4	3096	6	ABZ35285	Abz35285 Human gen

RESULT 1

ADI31946
ID ADI31946 standard; cDNA; 3803 BP.
XX
AC ADI31946;
XX
DT 17-JUN-2004 (first entry)
XX
DE Human cDNA #1272.
XX
KW Human; gene; ss; immunological response; immunopathological condition;
KW Crohn's disease; asthma; ulcerative colitis; hypereosinophilia;
KW irritable bowel syndrome; osteoarthritis; rheumatoid arthritis;
KW acute monocytic leukaemia; antiinflammatory; antiasthmatic; antiulcer;
KW osteopathic; antiarthritic; antirheumatic; cytostatic.
XX
OS Homo sapiens.
XX
PN US6607879-B1.
XX
PD 19-AUG-2003.
XX
PF 09-FEB-1998; 98US-00023655.
XX
PR 09-FEB-1998; 98US-00023655.
XX
PA (INCY-) INCYTE CORP.
XX
PI Cocks BG, Stuart SG, Seilhamer JJ;
XX
DR WPI; 2003-895307/82.
XX
PT A composition comprising a plurality of cDNAs, useful for detecting
PT altered expression of genes in an immunological response or for
PT diagnosing and treating an immunopathology, e.g. Crohn's disease, asthma
PT or osteoarthritis.
XX
PS Claim 1; SEQ ID NO 1272; 50pp; English.
XX
CC The invention relates to a composition comprising a plurality of cDNAs
CC for detecting the altered expression of genes in an immunological
CC response. The invention also relates to a method of diagnosing or
CC monitoring the treatment of an immunopathological condition in a sample,
CC comprising obtaining nucleic acids from a sample, contacting the nucleic
CC acids of the sample with an array comprising the plurality of cDNAs under
CC conditions to form one or more hybridisation complexes, detecting the
CC hybridisation complexes and comparing the levels of the detected
CC hybridisation complexes with the level of hybridisation complexes
CC detected in a non-diseased sample, where an altered level of the detected
CC hybridisation complexes correlates with the presence of an
CC immunopathological condition. Also disclosed are an expression profile
CC comprising a microarray and a plurality of detectable complexes and a
CC method for identifying a plurality of polynucleotide probes. The cDNAs
CC are useful as hybridisable array elements in a microarray for monitoring
CC the expression of target polynucleotides. The microarray can be used in
CC the diagnosis of an immunopathology, such as Crohn's disease, asthma,
CC ulcerative colitis, hypereosinophilia, irritable bowel syndrome,
CC osteoarthritis, rheumatoid arthritis or acute monocytic leukaemia, and in
CC identifying agents for the treatment of the diseases. The microarray may
CC also be used in drug discovery and development, toxicological and
CC carcinogenicity studies, forensics or pharmacogenomics. The composition
CC may also be used in purification of a subpopulation of mRNAs, cDNAs or
CC genomic fragments. This sequence represents a human cDNA of the
CC invention. Note: The sequence data for this patent did not form part of
CC the printed specification but was obtained in electronic format directly
CC from USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ Sequence 3803 BP; 721 A; 1184 C; 1123 G; 775 T; 0 U; 0 Other;

  Query Match   99.9%; Score 1195.4; DB 11; Length 3803;
  Best Local Similarity   99.9%; Pred. No. 6.9e-278;
  Matches 1196; Conservative   0; Mismatches   1; Indels   0; Gaps   0;

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RESULT 2
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ID   ADE24730 standard; cDNA; 3838 BP.
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AC   ADE24730;
XX
DT   29-JAN-2004  (first entry)
XX
DE   Human DDR1 transcript variant 2 encoding cDNA SEQ ID NO:1.
XX
KW   brain tumour; discoidin domain receptor family member 1; DDR1;
KW   cytostatic; gene therapy; human; gene; ss.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   CDS             337. .2964
FT                   /*tag=  a
FT                   /product= "DDR1 transcript variant 2"
XX
PN   WO2003085125-A1.
XX
PD   16-OCT-2003.
XX
PF   03-APR-2003; 2003WO-US010407.
XX
PR   03-APR-2002; 2002US-0369743P.
XX
PA   (AGYT-) AGY THERAPEUTICS INC.
XX
PI   Nagavarapu U,  Shivak DA,  Chin D,  Gonzalez-Zulueta M,  Foehr E;
XX
DR   WPI; 2003-877034/81.
DR   P-PSDB; ADE24731.
XX
PT   Diagnosing or staging brain tumor, useful for treating or imaging brain
PT   tumor, comprises determining the upregulation of DDR1 mRNA or polypeptide
PT   in the brain tumor.
XX
PS   Disclosure; SEQ ID NO 1; 107pp; English.
XX
CC   The present invention describes a method for diagnosing or staging brain
CC   tumour comprising determining the upregulation of discoidin domain
CC   receptor family member 1 (DDR1) mRNA or polypeptide in the brain tumour.
CC   Also described: (1) a method of treating brain tumour by administering a
CC   therapeutic amount of a compound that binds to, or inhibits, DDR1; (2) a
CC   method of imaging a brain tumour by administering to a patient a compound
CC   that specifically binds DDR1, where the compound is conjugated to an
CC   imaging moiety; and (3) a method of screening candidate agents for
CC   modulation of a brain tumour target protein by combining a candidate
CC   biologically active agent with any one of a DDR1 polypeptide, a cell
CC   comprising a nucleic acid encoding and expressing DDR1 polypeptide, or a
CC   non-human transgenic animal model for brain tumour gene function
CC   comprising a knockout of DDR1, an exogenous and stably transmitted DDR1
CC   sequence; and determining the effect of the agent on DDR1 activity, where
CC   the agents that modulate polypeptide activity provide for molecular and
CC   cellular changes in brain tumour cells. DDR1 has cytostatic activity, and
CC   can be used in gene therapy. The methods are useful for diagnosing,
CC   staging, imaging and treating brain tumour. The present sequence encodes
CC   human DDR1 transcript variant 2, which is used in the exemplification of
CC   the present invention.
XX
SQ   Sequence 3838 BP; 748 A; 1123 C; 1125 G; 842 T; 0 U; 0 Other;

  Query Match             99.9%;  Score 1195.4;  DB 10;  Length 3838;
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  Matches 1196;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
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Result No.	Score	Query Match	Length	DB	ID	Description
1	1197	100.0	1197	1	US-08-445-640-7	Sequence 7, Appli
2	1197	100.0	1197	3	US-08-170-558-7	Sequence 7, Appli
3	1197	100.0	1197	3	US-08-447-314-7	Sequence 7, Appli
4	1197	100.0	1197	3	US-08-445-461-7	Sequence 7, Appli
5	1197	100.0	3637	1	US-08-445-640-3	Sequence 3, Appli
6	1197	100.0	3637	3	US-08-170-558-3	Sequence 3, Appli
7	1197	100.0	3637	3	US-08-447-314-3	Sequence 3, Appli
8	1197	100.0	3637	3	US-08-445-461-3	Sequence 3, Appli
9	1195.4	99.9	3803	4	US-09-023-655-1272	Sequence 1272, Ap
10	1193.8	99.7	3751	4	US-09-140-378A-1	Sequence 1, Appli
11	1192.2	99.6	3962	1	US-08-336-343A-1	Sequence 1, Appli
12	327.4	27.4	3157	1	US-08-336-343A-3	Sequence 3, Appli
c 13	327.4	27.4	3157	1	US-08-336-343A-5	Sequence 5, Appli
14	321	26.8	3120	1	US-08-456-647B-19	Sequence 19, Appl
15	321	26.8	3120	2	US-08-237-401A-19	Sequence 19, Appl

RESULT 1
US-08-445-640-7
; Sequence 7, Application US/08445640
; Patent No. 5709858
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/445,640
; FILING DATE: 22-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/170558
; FILING DATE: 20-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/157563
; FILING DATE: 23-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 854C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1197 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

US-08-445-640-7

  Query Match 100.0%; Score 1197; DB 1; Length 1197;
  Best Local Similarity 100.0%; Pred. No. 4.5e-310;
  Matches 1197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 2
US-08-170-558-7
; Sequence 7, Application US/08170558
; Patent No. 6001621
; GENERAL INFORMATION:
;   APPLICANT: Godowski, Paul J.
;   APPLICANT: Mark, Melanie R.
;   APPLICANT: Scadden, David T.
;   APPLICANT: Baker, Kevin P.
;   APPLICANT: Baron, Will F.
;   TITLE OF INVENTION: Protein Tyrosine Kinases
;   NUMBER OF SEQUENCES: 35
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Genentech, Inc.
;   STREET: 460 Point San Bruno Blvd
;   CITY: South San Francisco
;   STATE: California
;   COUNTRY: USA
;   ZIP: 94080
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: patin (Genentech)
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/170,558
;   FILING DATE: 20-DEC-1993
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/157563
;   FILING DATE: 23-NOV-1993
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Hasak, Janet E.
;   REGISTRATION NUMBER: 28,616
;   REFERENCE/DOCKET NUMBER: 854C1
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 415/225-1896
;   TELEFAX: 415/952-9881
;   TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 1197 bases
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
US-08-170-558-7

  Query Match 100.0%; Score 1197; DB 3; Length 1197;
  Best Local Similarity 100.0%; Pred. No. 4.5e-310;
  Matches 1197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 3
US-08-447-314-7
; Sequence 7, Application US/08447314
; Patent No. 6087144
; GENERAL INFORMATION:
;   APPLICANT: Scadden, David T.
;   APPLICANT: Baker, Kevin P.
;   APPLICANT: Baron, Will F.
;   TITLE OF INVENTION: Protein Tyrosine Kinases
;   NUMBER OF SEQUENCES: 35
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Genentech, Inc.

```
;       STREET:  460 Point San Bruno Blvd
;       CITY:  South San Francisco
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94080
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  patin (Genentech)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/447,314
;       FILING DATE:  22-MAY-1995
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/170558
;       FILING DATE:  20-DEC-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/157563
;       FILING DATE:  23-NOV-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hasak, Janet E.
;       REGISTRATION NUMBER:  28,616
;       REFERENCE/DOCKET NUMBER:  854C1D2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415/225-1896
;       TELEFAX:  415/952-9881
;       TELEX:  910/371-7168
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1197 bases
;       TYPE:  nucleic acid
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;       TOPOLOGY:  linear
US-08-447-314-7

  Query Match             100.0%;  Score 1197;  DB 3;  Length 1197;
  Best Local Similarity   100.0%;  Pred. No. 4.5e-310;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;


RESULT 4
US-08-445-461-7
; Sequence 7, Application US/08445461
; Patent No. 6096527
;  GENERAL INFORMATION:
;     APPLICANT:  Godowski, Paul J.
;     APPLICANT:  Mark, Melanie R.
;     APPLICANT:  Scadden, David T.
;     APPLICANT:  Baker, Kevin P.
;     APPLICANT:  Baron, Will F.
;     TITLE OF INVENTION:  Protein Tyrosine Kinases
;     NUMBER OF SEQUENCES:  35
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Genentech, Inc.
;       STREET:  460 Point San Bruno Blvd
;       CITY:  South San Francisco
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94080
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  patin (Genentech)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/445,461
;       FILING DATE:  22-MAY-1995
;       CLASSIFICATION:  530
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/170558
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;       FILING DATE:  20-DEC-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/157563
;       FILING DATE:  23-NOV-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hasak, Janet E.
;       REGISTRATION NUMBER:  28,616
;       REFERENCE/DOCKET NUMBER:  854C3
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415/225-1896
;       TELEFAX:  415/952-9881
;       TELEX:  910/371-7168
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1197 bases
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-445-461-7

  Query Match             100.0%;  Score 1197;  DB 3;  Length 1197;
  Best Local Similarity   100.0%;  Pred. No. 4.5e-310;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;


RESULT 5
US-08-445-640-3
; Sequence 3, Application US/08445640
; Patent No. 5709858
;  GENERAL INFORMATION:
;     APPLICANT:  Godowski, Paul J.
;     APPLICANT:  Mark, Melanie R.
;     APPLICANT:  Scadden, David T.
;     APPLICANT:  Baker, Kevin P.
;     APPLICANT:  Baron, Will F.
;     TITLE OF INVENTION:  Protein Tyrosine Kinases
;     NUMBER OF SEQUENCES:  35
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Genentech, Inc.
;       STREET:  460 Point San Bruno Blvd
;       CITY:  South San Francisco
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94080
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  patin (Genentech)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/445,640
;       FILING DATE:  22-MAY-1995
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/170558
;       FILING DATE:  20-DEC-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/157563
;       FILING DATE:  23-NOV-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hasak, Janet E.
;       REGISTRATION NUMBER:  28,616
;       REFERENCE/DOCKET NUMBER:  854C2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415/225-1896
;       TELEFAX:  415/952-9881
;       TELEX:  910/371-7168
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  3637 bases
;       TYPE:  nucleic acid
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; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-445-640-3

  Query Match 100.0%; Score 1197; DB 1; Length 3637;
  Best Local Similarity 100.0%; Pred. No. 6.8e-310;
  Matches 1197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 6
US-08-170-558-3
; Sequence 3, Application US/08170558
; Patent No. 6001621
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/170,558
; FILING DATE: 20-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/157563
; FILING DATE: 23-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 854C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3637 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-170-558-3

  Query Match 100.0%; Score 1197; DB 3; Length 3637;
  Best Local Similarity 100.0%; Pred. No. 6.8e-310;
  Matches 1197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 7
US-08-447-314-3
; Sequence 3, Application US/08447314
; Patent No. 6087144
; GENERAL INFORMATION:
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.

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;    TITLE OF INVENTION:  Protein Tyrosine Kinases
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/447,314
;      FILING DATE:  22-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/170558
;      FILING DATE:  20-DEC-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/157563
;      FILING DATE:  23-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  854C1D2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1896
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3637 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-447-314-3

  Query Match             100.0%;  Score 1197;  DB 3;  Length 3637;
  Best Local Similarity   100.0%;  Pred. No. 6.8e-310;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;


RESULT 8
US-08-445-461-3
; Sequence 3, Application US/08445461
; Patent No. 6096527
;  GENERAL INFORMATION:
;    APPLICANT:  Godowski, Paul J.
;    APPLICANT:  Mark, Melanie R.
;    APPLICANT:  Scadden, David T.
;    APPLICANT:  Baker, Kevin P.
;    APPLICANT:  Baron, Will F.
;    TITLE OF INVENTION:  Protein Tyrosine Kinases
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
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;       APPLICATION NUMBER:  US/08/445,461
;       FILING DATE:  22-MAY-1995
;       CLASSIFICATION:  530
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/170558
;       FILING DATE:  20-DEC-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/157563
;       FILING DATE:  23-NOV-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hasak, Janet E.
;       REGISTRATION NUMBER:  28,616
;       REFERENCE/DOCKET NUMBER:  854C3
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415/225-1896
;       TELEFAX:  415/952-9881
;       TELEX:  910/371-7168
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  3637 bases
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-445-461-3

  Query Match             100.0%;  Score 1197;  DB 3;  Length 3637;
  Best Local Similarity   100.0%;  Pred. No. 6.8e-310;
  Matches 1197;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Result No.	Score	Query Match	Length	DB	ID	Description
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2	1193.8	99.7	3840	3	BC013400	BC013400 Homo sapi
3	1083.4	90.5	2742	9	AY412941	AY412941 Homo sapi
4	1038	86.7	2742	9	AY412942	AY412942 Pan trogl
5	894	74.7	3012	3	BC037108	BC037108 Mus muscu
6	894	74.7	3594	3	AK031442	AK031442 Mus muscu
7	811.6	67.8	1175	4	BM800022	BM800022 AGENCOURT
8	810.8	67.7	997	5	BX456402	BX456402 BX456402
9	810.2	67.7	2721	9	AY412943	AY412943 Mus muscu
10	729	60.9	2633	3	BC006836	BC006836 Mus muscu
11	720.2	60.2	992	1	AL528664	AL528664 AL528664
12	708.2	59.2	900	5	BQ933041	BQ933041 AGENCOURT
13	694.6	58.0	999	5	BX394901	BX394901 BX394901
14	668.4	55.8	682	7	CN362319	CN362319 170004245
15	650.2	54.3	1062	5	BQ073333	BQ073333 AGENCOURT